Astor 800/D - Astor 900/D
Waterbath
User's Manual

ASTOR 800/D

ASTOR 900/D

Distribué par :

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WARNINGS

Before using the equipment read this user guide

This manual is an integral part of the product and must be conserved for future consultation.
In it you can find important information regarding safety of use and maintenance.
Read carefully the instructions contained in this manual before installing, operating and performing adjustments or maintenance operations.
Even if this device is provided with protections, the use of the equipment without following the described procedures could produce a wrong working and damages on the equipment.

The manufacturer is not liable for damages to people or things caused by improper use of the equipment and/or not respect of laws, regulations and instructions described below.

GENERAL DESCRIPTION

ASTOR 800/D: thermostatic unit from +5℃ over the r oom temperature up to 100℃; if the unit is used in a bath without a lid, the maximum thermostated temperature can be up to 90℃, only.
ASTOR 900/D: waterbath from +5℃ over the room temp erature up to 99.9℃;
- Structure in aluminium, fire-painted.
- Temperature control by means of an electronic thermalregulator with digital setting and reading which shows the temperature value with a decimal unit.
- Safety device against the over-temperatures of the resistors, due to the lack of water inside the bath.

ELECTRICAL CONNECTION

Check the power voltage as stated on the platelet of the equipment: it must be identical to the power supply the equipment will be connected to. Verify the presence of the ground connection and be sure the power supply is protected by means of the safety devices, as described in the valid European laws (we suggest the use of a life-saving device with a “trip” power supply of 0.03 Ampere - I△N 0.03A).
The manufacturer will not be responsible of any damage to people or things due to the lack of respect of these instructions.
In case the equipment cannot be plugged in because of an unfitting electrical connection, we suggest to substitute it with an appropriate kind of plug by qualified personnel.
We suggest to avoid the use of adapters, multiple plugs, electrical connections and additional electrical cables.

INSTRUCTIONS

- Fix the unit to the bath, by locking the knob. (Astor 800/D, only).
- Connect the waterbath to the socket.
- Turn the equipment on (the thermalregulator is off and the resistor does not heat, whereas the liquid stirrer is working).
- Fill the bath with deionized water till the display turns on.
- Fill the water again as to raise the water level about 1 cm more.

- Set the working temperature on the thermalregulator by pushing the

key located on the right of the thermalregulator (keep it pushed no longer than 2 seconds).

- The “SET” message will appear on the display.

- Push the

key once again (no longer than 2 seconds) and set the required temperature by means of and keys.

- After the temperature is set, push the

key and the “SET” message will appear; push

once again to go back to the beginning and to visualize the real temperature value in the bath on the display.

Pay Attention! Place the thermostatic unit correctly, to avoid the contact between the resistor and the bath walls.

FEATURES

- Power supply: 230V ~ 50Hz
- Power absorption: 1000W
- Range of temperatures: from 5℃ above the room te mperature, up to 100℃ with ASTOR 800/D
  from 5℃ above the room temperature, up to 99.9℃ with ASTOR 900/D
  (the maximum temperature values can be kept only when the bath lid is closed. This range temperature depends on the air pressure, too)
- Accuracy: better than 0,5℃

SAFETY DEVICES

The equipment is provided with two safety devices:

- the level sensor, which stops both the thermalregulator and the power supply of the resistor when the level of water is too low.
- the safety sensor applied to the resistor, which will act by turning the equipment off when the resistor exceeds the maximum temperature value and the safety craft does not work. The sensor must be restored manually: after removing the cause of the problem it is necessary to push the restore key in the front side of the equipment (page 6, picture 4) by means of a pointed pin.

DOCUMENT VALIDITY

ASTORI TECNICA reserves the right to review and modify this document without any notice (any variation will not affect the respect of the directives).

TECHNICAL SERVICE

If the equipment does not work, verify that:

- The level of water rises the safety craft.
- The plug of the instrument has been correctly placed in the electric socket.
- The automatic main power supply switch of the laboratory is not in OFF position.
- An electric black-out is not occurring.
- All the keys are not wrongly activated.
- The fuses are not broken.
- The safety thermostat placed in the front of the equipment is not in OFF position.

When the Service Assistance is needed, please communicate the serial number of the equipment.

EXTERNAL STRUCTURE CLEANING

Before the cleaning operations, remove the plug from the socket.
Use a wet towel and do not pour water on the equipment.
Clean the equipment with a neutral detergent.
Do not use alcohol or other aggressive detergents to clean the equipment.

DISPOSAL

The symbol of the crossed garbage collector indicates that the product at the end of its useful life should be collected separately from normal garbage.
The user will give the equipment, at the end of its usage, to centers for collection of electronic and electrotechnical garbages according to rules and laws.
The proper collection of the disuded equipment, the recycling, treatment and disposal contributes to avoid possible negative effects on the environment and human health and encourages the recycling of the materials that compose the equipment.

1. Main switch
2. Fuses
3. Thermalregulator
4. Safety thermostat (Restore key)
5. Level sensor
6. Liquid stirrer
7. Heating resistor
8. Safety sensor
9. Temperature sensor

Dichiarazione di conformità
Declaration of conformity
CE

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Via Stelle n. 11 – 25020 Poncarale (BS) – Italy

Strumento / Equipment:

Modello / Model: Astor

Matricola n. / Serial number:

Anno di fabbricazione / Year of manufacturing: 2010

Il sottoscritto, legale rappresentante della ditta Astori Tecnica Snc, dichiara che i prodotti sopracitati sono conformi alle seguenti direttive: 2004/108/CE (ex 89/336 CEE) e 2006/95/CE (ex 73/23 CEE) ed alle norme EN 61326-1, EN 55014-1, EN 60335-1, EN 60335-2-73.

The undersigned, authorized officer of the above written company, hereby declares that the above mentioned goods are in compliance with the following directives: 2004/108/CE (ex 89/336 CEE) and 2006/95/CE (ex 73/23 CEE) and the normatives EN 61326-1, EN 55014-1, EN 60335-1, EN 60335-2-73.

Poncarale, anno/year 09

ASTORI TECNICA Snc
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